

ICAM4 Rabbit pAb

Catalog # AP96178

Product Information

Application	WB
Primary Accession	Q14773
Other Accession	Q14773
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29265
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ICAM4
Epitope Specificity	85-180/271
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform Long: Cell membrane; Single-pass type I membrane protein. Isoform Short: Secreted.
SIMILARITY	Belongs to the immunoglobulin superfamily. ICAM family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Post-translational modifications	N- and O-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM4 is also a ligand for alpha-4/beta-1 and alpha-V integrins.

Additional Information

Gene ID	3386
Other Names	CD242; LW; 1810015M19Rik; ICAM-4; ICAM4_HUMAN; ICAM4; Landsteiner-Wiener blood group glycoprotein (LW blood group protein); ICAM4_MOUSE; intercellular adhesion molecule 4 (Landsteiner-Wiener blood group); intercellular adhesion molecule 4, Landsteiner-Wiener blood group; Landsteiner-Wiener blood group; intercellular adhesion molecule 4 (LW blood group)
Target/Specificity	Erythrocytes.
Dilution	WB=1:500-2000,Flow-Cyt=1ug/test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ICAM4 (HGNC:5347)
Function	Functions as a receptor ligand for the monocyte/macrophage- specific ITGAX:ITGB2 integrin complex and mediates erythrophagocytosis (PubMed: 16985175). Receptor ligand of the platelet-specific ITGA2B:ITGB3 integrin complex involved in heterotypic cell-cell adhesion between erythrocytes and activated platelets (PubMed: 12477717 , PubMed: 15355350). In vitro, is also a receptor ligand of multiple integrin receptors complexes such ITGAL:ITGB2, ITGAM:ITGB2, ITGA5:ITGB1, ITGA5:ITGB3 and ITGA5:ITGB5 integrin complexes (PubMed: 10846180 , PubMed: 11435317 , PubMed: 15355350).
Cellular Location	[Isoform Long]: Cell membrane; Single-pass type I membrane protein Cell membrane {ECO:0000250 UniProtKB:Q9ERM2}; Single-pass type I membrane protein
Tissue Location	Erythrocytes..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.